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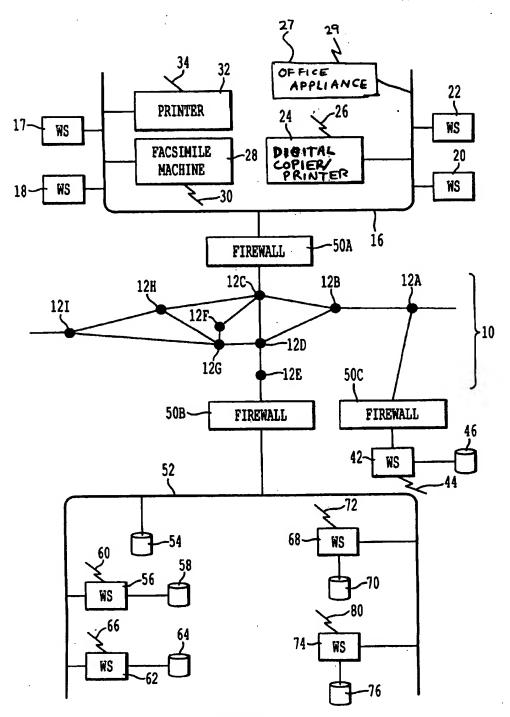


FIG. 1

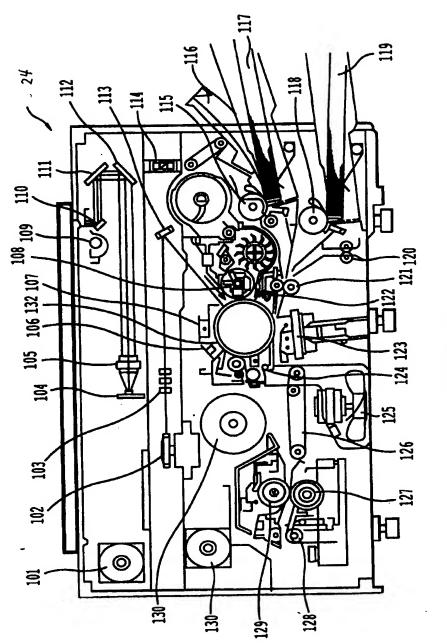


FIG. 2

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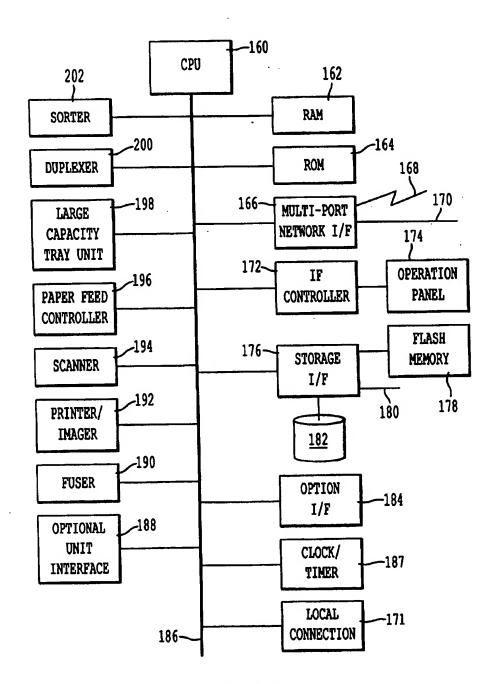


FIG. 3

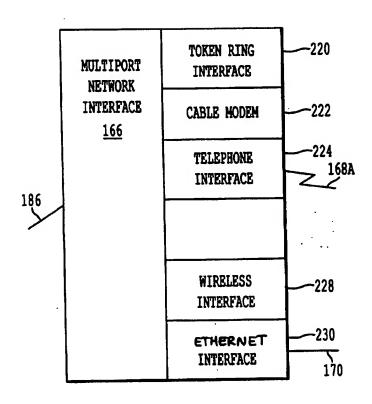


FIG. 4

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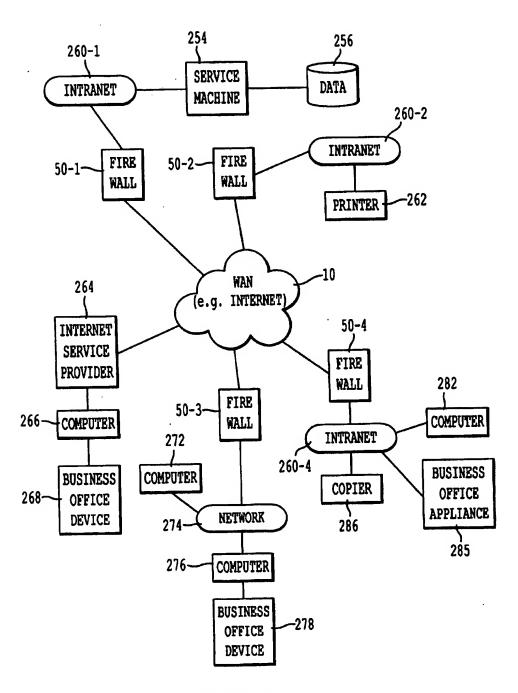


FIG.5

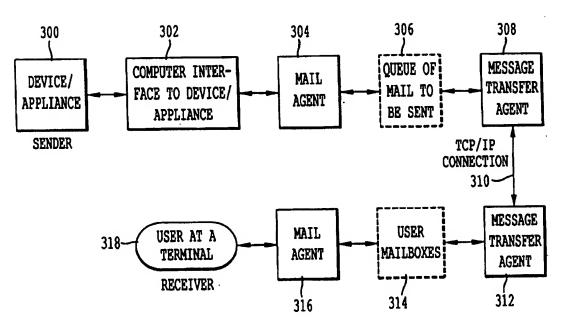


FIG. 6A

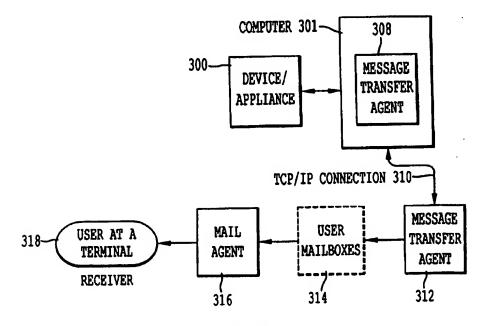


FIG. 6B

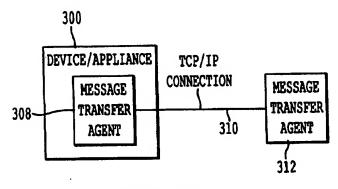


FIG. 6C

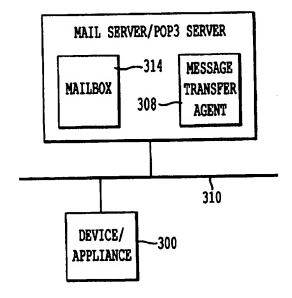
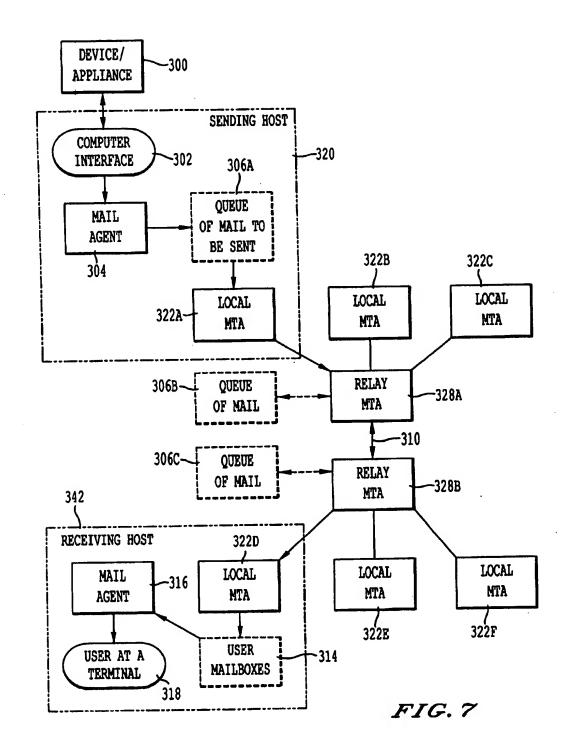


FIG. 6D

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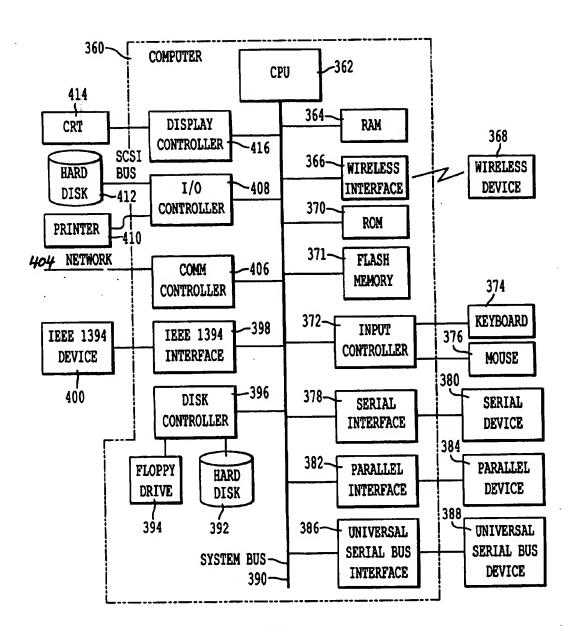


FIG. 8

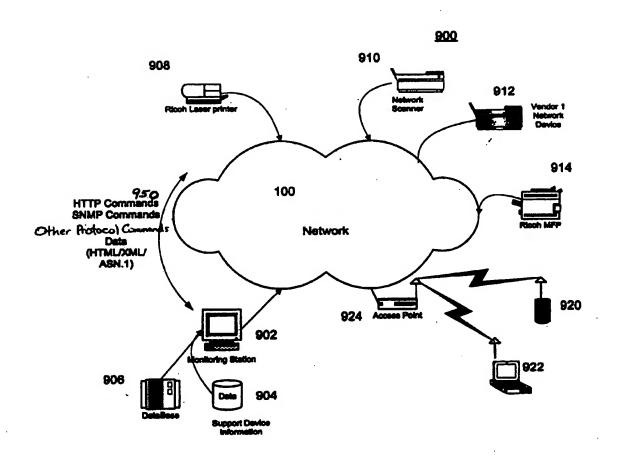


Figure 9

### 1000

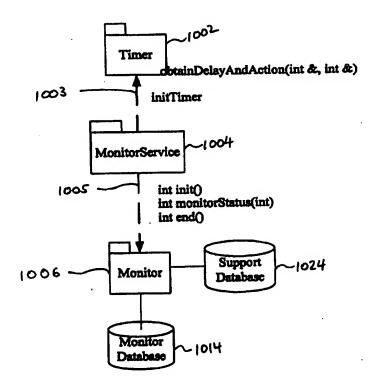
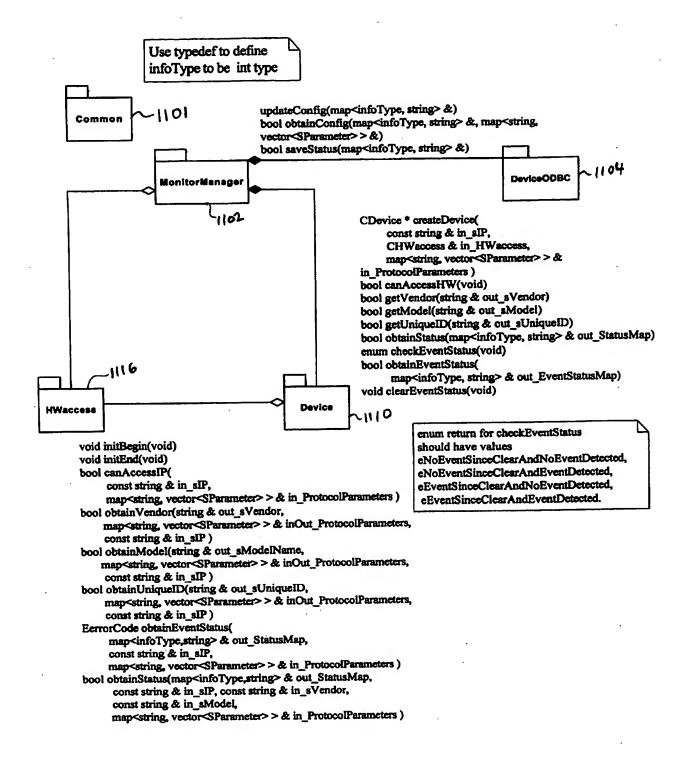


FIG. 10

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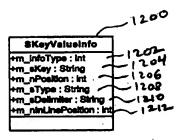


FIG. 12

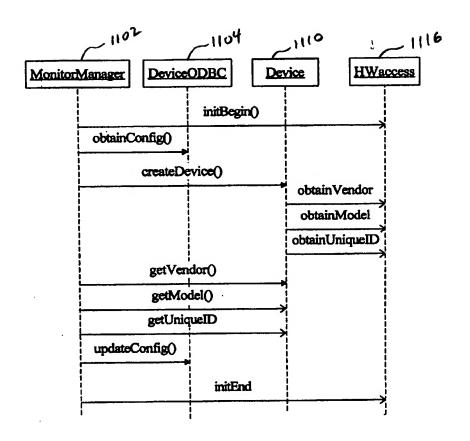


FIG. 13

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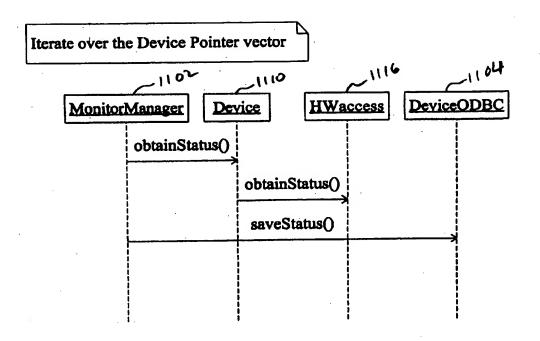


FIG. 14

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1500

1502	۱۶۵ سنر	4		
Pointer to	Pointer to	Pointer to	Pointer to	• • • • • • • • • • • • • • • • • • • •
CDevice	CDevice	CDevice	CDevice	
Object	Object	Object	Object	

std::vector <pointer of CDevice >

FIG. 15

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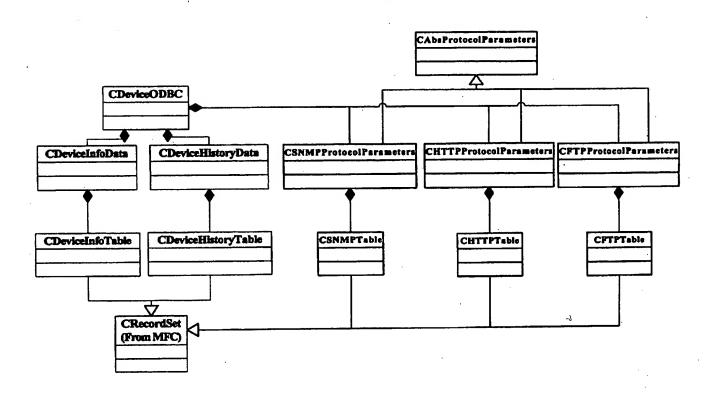


FIG. 16

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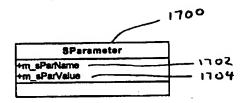


FIG. 17

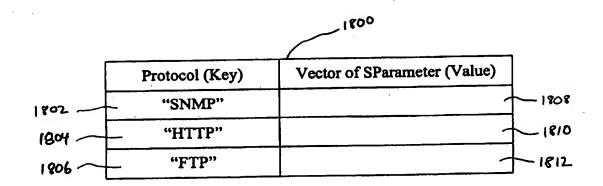
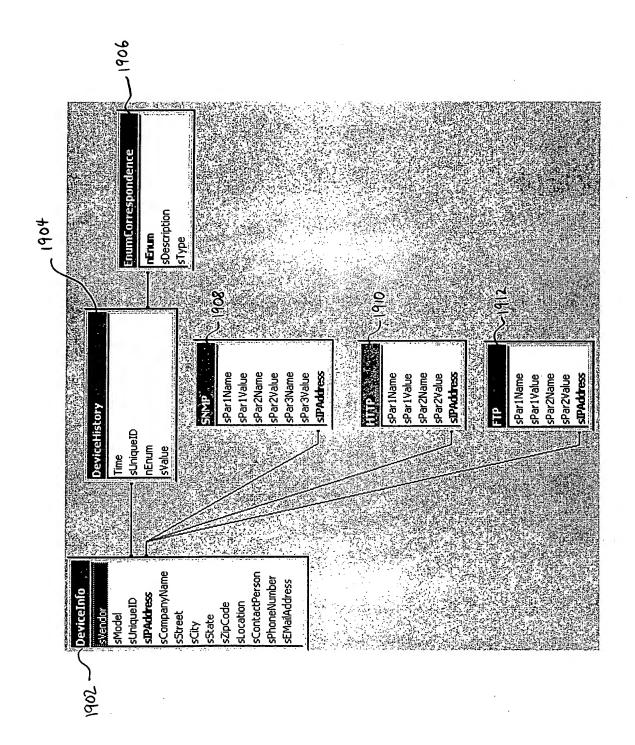


FIG. 18





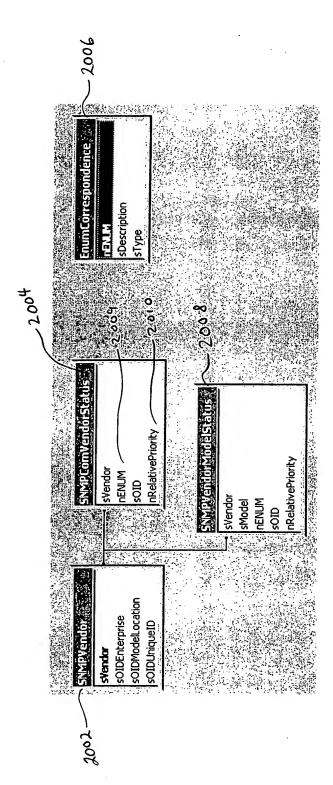
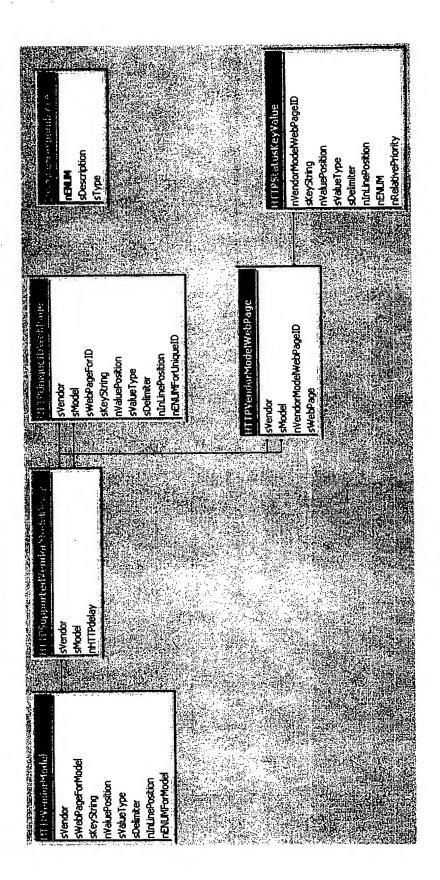


FIG. 20

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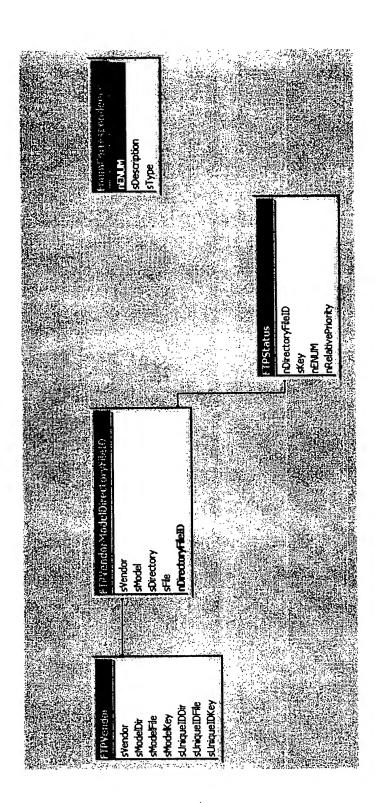


FIG. 22

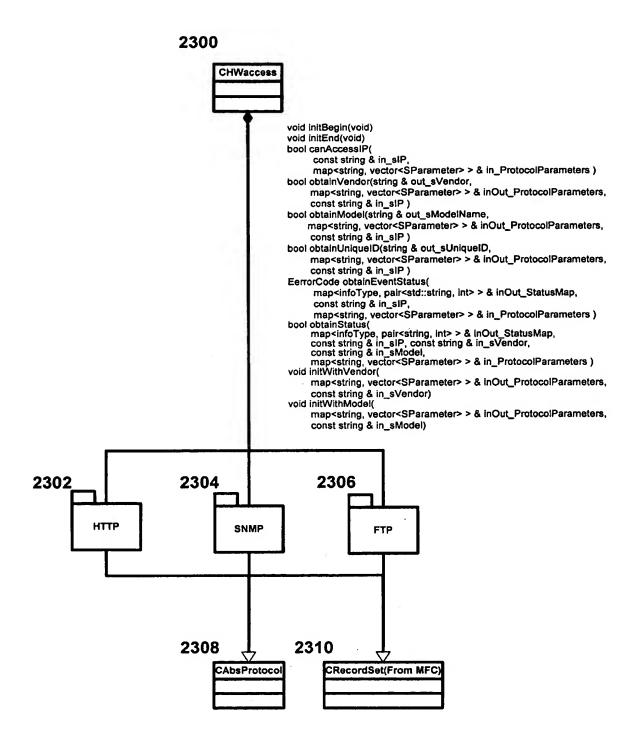


FIG. 23

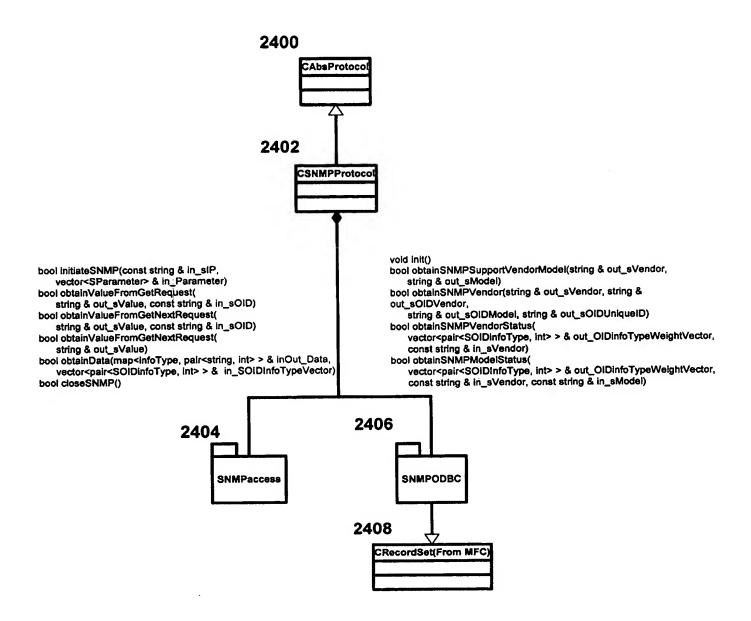


FIG. 24

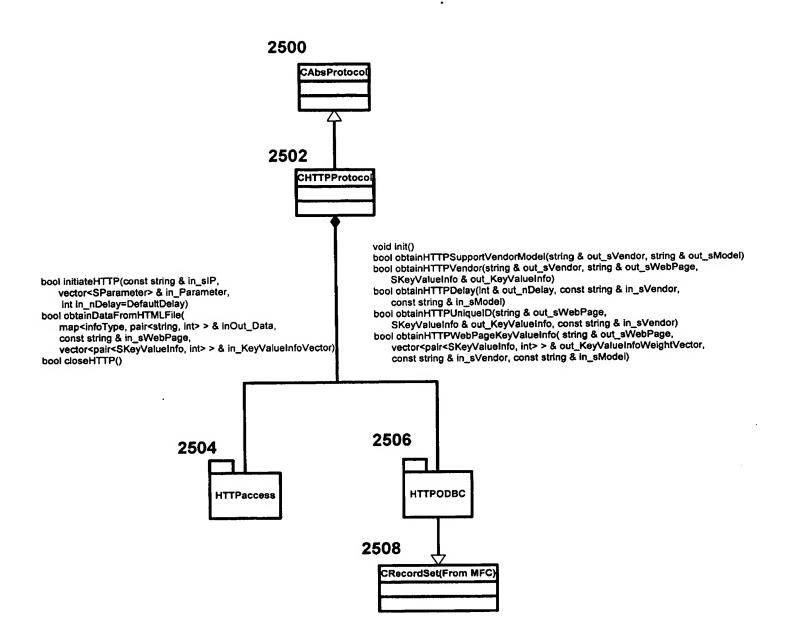


FIG. 25

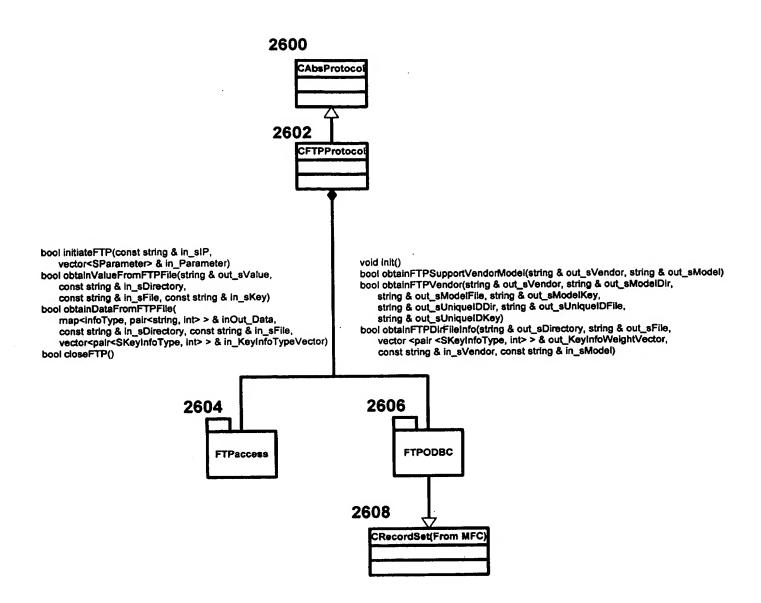


FIG. 26

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## Vector of CAbsProtocol\*500

CAbsProtocol*	CAbsProtocol*	CAbsProtocol*	•••
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## FIG. 27A

std::map<std::string, std::vector<std::pair<SOIDinfoType, int>>>> 510

a <b>t-i-</b> a		map 514
string 512	string 516	vector 518
	GENERIC	<(SOIDinfoType1, int1), (SOIDinfoType2, int2)>
Ricoh	Aficio 1224C	<(SOIDinfoType3, int3)>
	GENERIC	<(SOIDinfoType4, int4), (SOIDinfoType5, int5) >
Xerox	DocuPrint NC60	<(SOIDinfoType5, int5)>

FIG. 27B

## std::map<std::string, std::map<std::string, std::vector<SWebPageInfo>>> 520

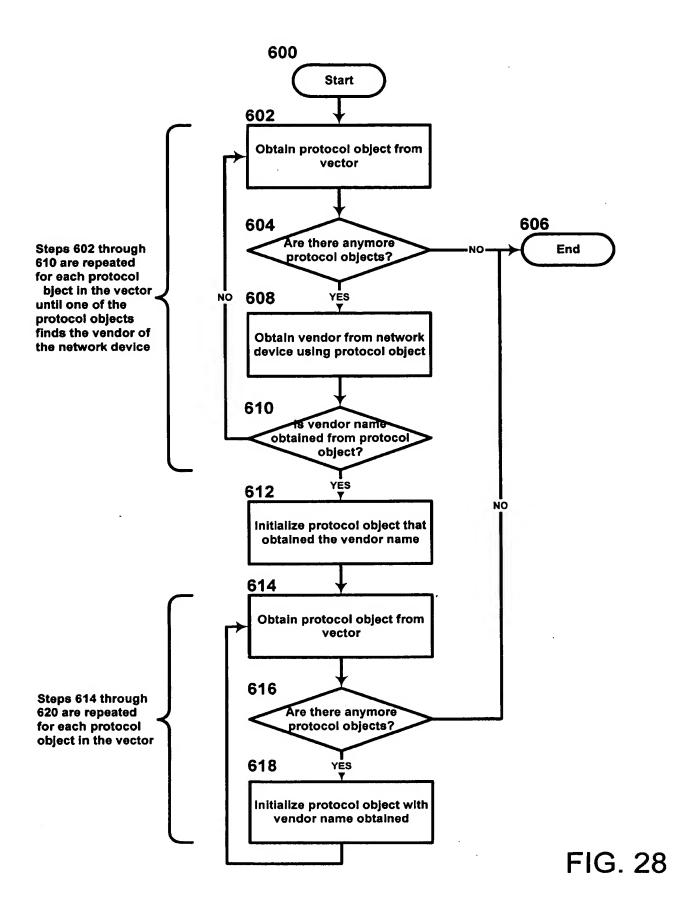
string	map 524	
522	string 526	vector 528
Ricoh	Aficio X	struct SWebPageInfo {     std::string m_sWebPage;     std::vector <std::pair<skeyvalueinfo, int="">&gt;     m_KeyValueInfoVector; };</std::pair<skeyvalueinfo,>
Xerox	N4025	

FIG. 27C

std::map<std::string, std::map<std::string, std::vector<SDirFileStatusInfo>>> 530

string		map 534
532	string 536	vector 538
Ricoh	Aficio	struct SDirFileStatusInfo {
Xerox	N4025	

FIG. 27D



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SNMP Protocol 700

pair <soidinfotype, int=""> pair<soidinfotype, int=""></soidinfotype,></soidinfotype,>	pair <soidinfotype, int=""></soidinfotype,>		
--	---	--	--

FIG. 29A

HTTP Protocol 708

pair <skeyvalueinfo, int=""></skeyvalueinfo,>	pair <skeyvalueinfo, int=""></skeyvalueinfo,>	
---	---	--

FIG. 29B

FTP Protocol 716

pair <skeyinfotype, int=""> 718</skeyinfotype,>	pair <skeyinfotype, int=""> 720</skeyinfotype,>	
---	---	--

FIG. 29C

714

**}**;

706

struct SOIDinfoType {
 infoType m\_infoType;
 std::string m\_sOID;
 SOIDinfoType();
 ~SOIDinfoType();
 void clear();

struct SKeyValueInfo {
 infoType m\_infoType;
 std::string m\_sKey;
 int m\_nPosition;
 std::string m\_sType;
 std::string m\_sDelimiter;
 int m\_ninLinePosition;
 SKeyValueInfo();
 ~SKeyValueInfo();
 void clear();
}

722

struct SKeyInfoType {
 InfoType m\_InfoType;
 std::string m\_sKey;
 SKeyInfoType();
 ~SKeyInfoType();
 void clear();
}

Status Information Map 724

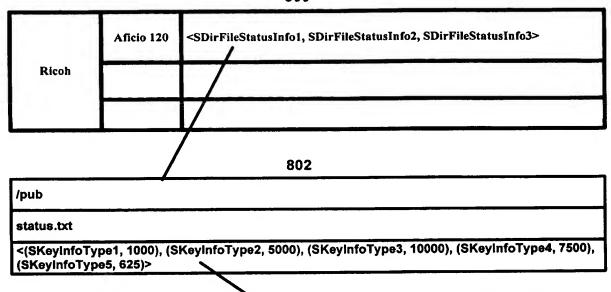
726

InfoType	pair <string, int=""></string,>
infoType	pair <string, int=""></string,>
infoType	pair <string, int=""></string,>
	• • •

728

FIG. 29D

## std::map<std::string, std::wector<SDirFileStatusInfo>>>



SKeyInfoType1 corresponds to the infoType 600, SKeyInfoType2 corresponds to the infoType 610, SKeyInfoType3 corresponds to the infoType 620, SKeyInfoType4 corresponds to the infoType 700, and SKeyInfoType5 corresponds to the infoType 710

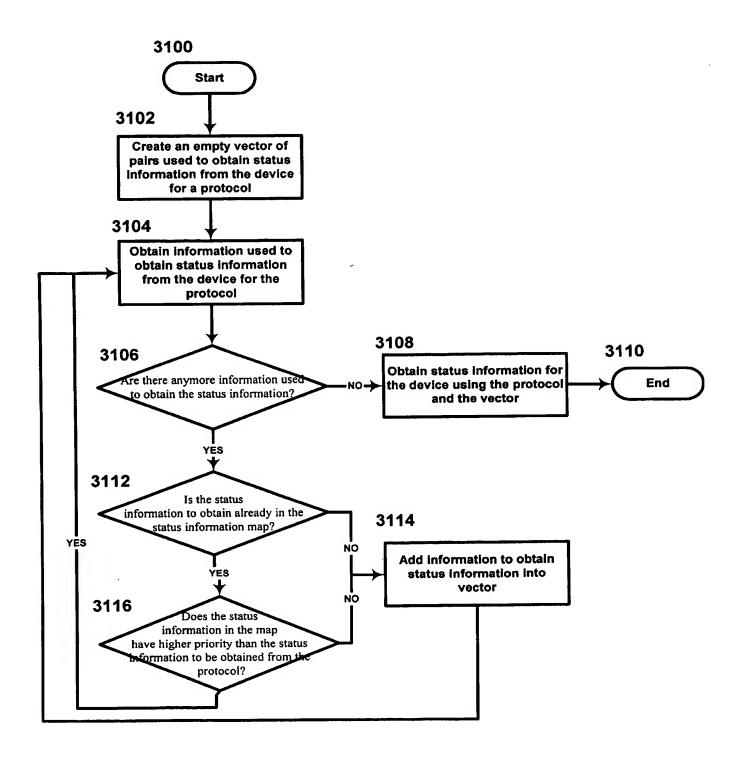
#### **Status Information Map**

804

600	("Low Paper", 500)
610	("24321", 10000)
700	("OK", 2500)

FTP Protocol 806

	(SKeyInfoType1, 1000)	(SKeyInfoType3, 10000)	(SKeyInfoType4, 7500)	(SKeyinfoType5, 625)
--	-----------------------	------------------------	-----------------------	----------------------



**FIG. 31A** 

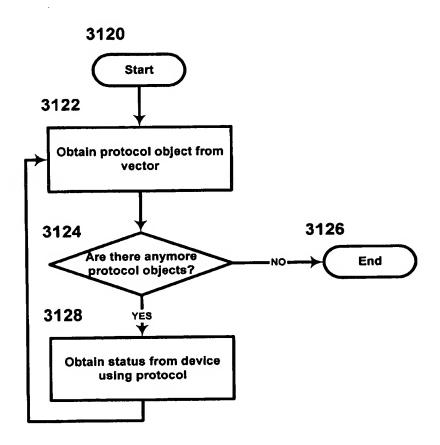


FIG. 31B

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## Vendor Model Support Map 3200

3204 3202

string	int
string	int
string	int
string	int
	• • •

FIG. 32A

### Sample Vendor Model Support Map 3206

3208 3210

1
1
1
1

FIG. 32B

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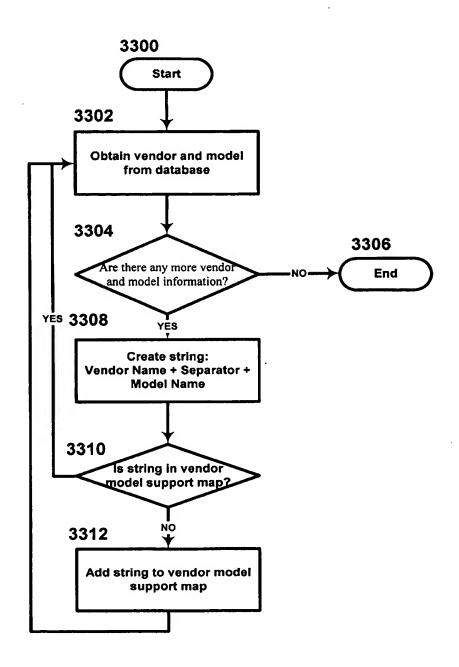


FIG. 33

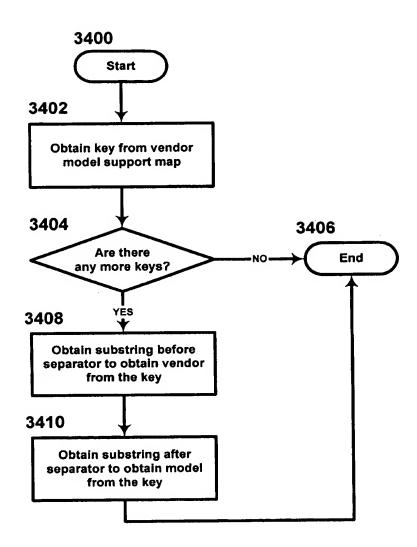


FIG. 34

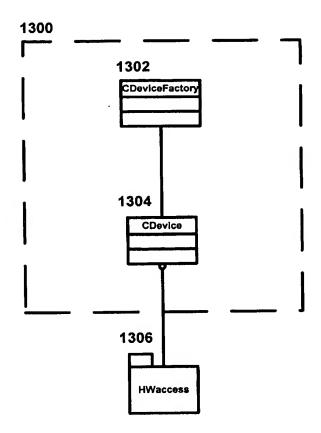


FIG. 35

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### Protocol Parameter Map 1400

1402

1404

string	vector <sparameter></sparameter>
string	vector <sparameter></sparameter>
string	vector <sparameter></sparameter>
string	vector <sparameter></sparameter>
• • •	
L	

1406

struct SParameter {
 std::string m\_sParName;
 std::string m\_sParValue;
 SParameter ();
 ~SParameter ();
 vold clear();
};

FIG. 36A

1410

SNMP	<(COMMUNITY, private)>
FTP	<(USERNAME, abc), (PASSWORD, xyz)>

FIG. 36B

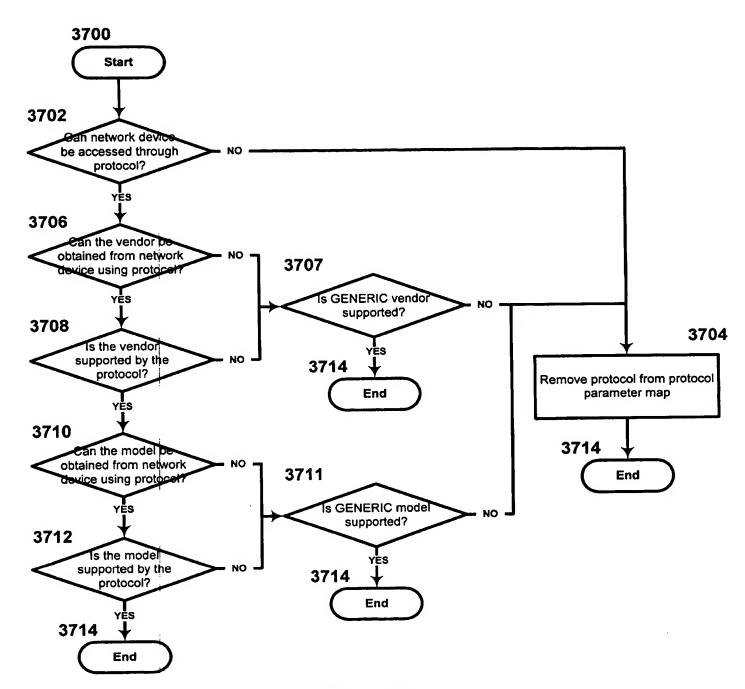


FIG. 37